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Based on PTO/SB/01 (3/97)
Approved for use through 9/30/98. OMB 0651-0032
Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

DECLARATION FOR PATENT APPLICATION

Declaration Submitted **WITH** Initial Filing **OR** Declaration Submitted **After** Initial Filing

Attorney Docket Number: 56.0468

First-Named Inventor: Anthony P. Peirce

COMPLETE IF KNOWN:

Application Number:

Filing Date: Herewith

Group Art Unit:

Examiner's Name:

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD AND APPARATUS FOR HYDRAULIC FRACTURING ANALYSIS AND DESIGN

the specification of which:

is attached hereto.

OR

was filed on _____ as United States Application No. _____ or
 PCT International Application No. _____
 and was amended on _____ (MMDDYY).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 1.19(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

| Prior Foreign Application Numbers | Country | Foreign Filing Date (MMDDYY) | Priority Not Claimed | Certified Copy Attached? |
|-----------------------------------|---------|------------------------------|------------------------------|-----------------------------|
| | | | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

Additional foreign application numbers are listed in a supplemental priority data sheet PTO/SB/02B, attached hereto.

I hereby claim the benefit under Title 35 U.S.C. § 1.19(e) of any United States provisional application(s) listed below.

| Application Number | Filing Date |
|--------------------|-------------|
| | |
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Additional provisional patent application numbers are listed in a supplemental priority data sheet PTO/SB/02B, attached hereto.

I hereby claim the benefit under 35 U.S.C. § 1.20 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph 35 of U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

| US Parent Application Number | PCT Parent Number | Parent Filing Date (MMDDYY) | Parent Patent Number (if applicable) |
|-------------------------------------|--------------------------|------------------------------------|---|
|-------------------------------------|--------------------------|------------------------------------|---|

Additional US or PCT international application numbers are listed in a supplemental priority data sheet PTO/SB/02B, attached hereto.

As a named inventor, I hereby appoint the following attorney(s) and/or agents(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

| | | | |
|-------------------|----------------------------|--------------------|----------------------------|
| Name | Registration Number | Name | Registration Number |
| John E. Vick, Jr. | 33,808 | Douglas Y'Barbo | 42,239 |
| John J. Ryberg | 31,134 | J. H. Bouchard | 29,286 |
| Albert J. Adamcik | 23,045 | Wayne I. Kanak | 35,564 |
| Steve Christian | 38,106 | Jeffery E. Griffin | 36,534 |
| Brigitte Jeffery | 38,925 | | |

Additional registered practitioner(s) named on supplemental Registered Practitioner Information Sheet PTO/SB/02B, attached hereto.

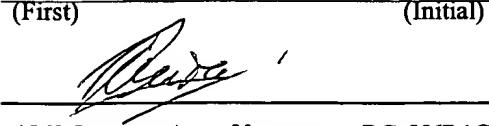
I hereby direct that all correspondence and telephone calls be addressed to:

| | | | |
|----------------|-------------------------------------|------------------|--------------|
| Name | Dowell Patent Counsel | | |
| Address | Schlumberger Technology Corporation | | |
| Address | 110 Schlumberger Drive, MD-1975 | | |
| City | Sugar Land | State | Texas |
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| | | Zip | 77478 |
| | | Fax | 281-285-8569 |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Sole or first inventor:

| | | | |
|-----------------------------|--------------------|-----------------|------------------|
| Inventor's Full Name | Anthony (First) | P. (Initial) | Peirce (Last) |
|-----------------------------|--------------------|-----------------|------------------|

Inventor's Signature:  **Date:** 20 APRIL 1999

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Country of Residence: Canada **Citizenship:** Canada

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Second inventor:

Inventor's Full Name

Eduard **Siebits**
(First) **(Last)**

Inventor's Signature:

Date: 4/16/99

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U.S.A. **Citizenship:** South Africa